

## OWNER'S MANUAL

# FRIDGE & FREEZER

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Before beginning installation, read these instructions carefully. This will simplify installation and ensure that the product is installed correctly and safely. Leave these instructions near the product after installation for future reference.

**ENGLISH**



MFL69497031  
Rev.02\_032621

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# TABLE OF CONTENTS

This manual may contain images or content that may be different from the model you purchased.

This manual is subject to revision by the manufacturer.

## SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE.....	4
WARNING .....	4
CAUTION .....	9

## INSTALLATION

Product Overview.....	11
Before Installation .....	11
Removing the Handle .....	13
Removing the Door and Drawer .....	14
Connecting the Water Line .....	17
Levelling and Door Alignment.....	18
Turning on the Power.....	20
Moving the Appliance for Relocation .....	20

## OPERATION

Before Use .....	21
Product Features.....	23
Control Panel .....	27
Ice and Water Dispenser .....	29
Automatic Icemaker .....	30
InstaView.....	32
Door in Door .....	32
Humidity Controlled Crispers .....	33
Glide'N'Serve .....	35
Door Basket .....	35
Shelf .....	36
Durabase.....	36

## SMART FUNCTIONS

LG ThinQ Application .....	38
Smart Diagnosis .....	40

**MAINTENANCE**

Cleaning .....41

Water Filter .....42

**TROUBLESHOOTING**

Before Calling for Service.....44

## SAFETY INSTRUCTIONS

### READ ALL INSTRUCTIONS BEFORE USE

The following safety guidelines are intended to prevent unforeseen risks or damage from unsafe or incorrect operation of the appliance. The guidelines are separated into '**WARNING**' and '**CAUTION**' as described below.

### Safety Messages



This symbol is displayed to indicate matters and operations that can cause risk. Read the part with this symbol carefully and follow the instructions in order to avoid risk.



#### **WARNING**

This indicates that the failure to follow the instructions can cause serious injury or death.



#### **CAUTION**

This indicates that the failure to follow the instructions can cause the minor injury or damage to the product.

### WARNING



#### **WARNING**

To reduce the risk of explosion, fire, death, electric shock, injury or scalding to persons when using this product, follow basic precautions, including the following:

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### Technical Safety

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person

responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

- This appliance is intended to be used in household and similar applications such as:
  - staff kitchen areas in shops, offices and other working environments;
  - farm houses and by clients in hotels, motels and other residential type environments;
  - bed and breakfast type environments;
  - catering and similar non-retail applications.



This symbol alerts you to flammable materials that can ignite and cause a fire if you do not take care.

- This appliance contains a small amount of isobutane refrigerant (R600a), but it is also combustible. When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.
- The refrigerant and insulation blowing gas used in the appliance require special disposal procedures. Consult with service agent or a similarly qualified person before disposing of them.
- Do not damage the refrigerant circuit.
- If the power cord is damaged or the hole of the outlet socket is loose, do not use the power cord and contact an authorized service centre.
- Do not locate multiple portable outlet sockets or portable power supplies at the rear of the appliance.
- Securely plug the power plug in the outlet socket after completely removing any moisture and dust.
- Never unplug the appliance by pulling on the power cable. Always grip the power plug firmly and pull straight out from the outlet socket.
- Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.

- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- Do not tilt the appliance to pull or push it when transporting.
- When positioning the appliance, ensure the supply cord is not trapped or damaged.
- Do not use mechanical devices or other means to accelerate the defrosting process.
- Do not use a hair drier to dry the inside of the appliance or place a candle inside to remove the odours.
- Do not use electrical appliances inside the refrigerator.
- Make sure not to get a body part such as a hand or foot stuck while moving the appliance.
- Disconnect the power cord before cleaning the appliance interior or exterior.
- Do not spray water or inflammable substances (toothpaste, alcohol, thinner, benzene, flammable liquid, abrasive, etc.) over the interior or exterior of the appliance to clean it.
- Do not clean the appliance with brushes, cloths or sponges with rough surfaces or which are made of metallic material.
- Only qualified service personnel from LG Electronics service centre should disassemble, repair, or modify the appliance. Contact an LG Electronics customer information centre if you move and install the appliance in a different location.

### **Risk of Fire and Flammable Materials**

- If a leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes. In order to avoid the creation of a flammable gas air mixture if a leak in the refrigerating circuit occurs, the size of the room in which the appliance is used should correspond to the amount of refrigerant used. The room must be 1 m<sup>2</sup> in size for every 8 g of R600a refrigerant inside the appliance.
- Refrigerant leaking out of the pipes could ignite or cause an explosion.

- The amount of refrigerant in your particular appliance is shown on the identification plate inside the appliance.

## Installation

- This appliance should only be transported by two or more people holding the appliance securely.
- Install the appliance on a firm and level floor.
- Do not install the appliance in a damp and dusty place. Do not install or store the appliance in any outdoor area, or any area that is subject to weathering conditions such as direct sunlight, wind, rain, or temperatures below freezing.
- Do not place the appliance in direct sunlight or expose it to the heat from heating appliances such as stoves or heaters.
- Be careful not to expose the rear of the appliance when installing.
- Install the appliance in a place where it is easy to unplug the power plug of the appliance.
- Be careful not to let the appliance door fall during assembly or disassembly.
- Be careful not to pinch, crush, or damage the power cable during assembly or disassembly of the appliance door.
- Be careful not to point the power plug up or let the appliance lean against the power plug.
- Do not connect a plug adapter or other accessories to the power plug.
- Do not modify or extend the power cable.
- Ensure that the outlet socket is properly grounded, and that the earth pin on the power cord is not damaged or removed from the power plug. For more details on grounding, inquire at an LG Electronics customer information centre.
- This appliance is equipped with a power cord having an equipment-grounding conductor and a grounding power plug. The power plug must be plugged into an appropriate outlet socket that is installed and grounded in accordance with all local codes and ordinances.

- Never start up an appliance showing any signs of damage. If in doubt, consult your dealer.
- Dispose of all packaging materials (such as plastic bags and styrofoam) away from children. The packaging materials can cause suffocation.
- Do not plug the appliance into a multi socket adapter which does not have a power cable (mounted).
- The appliance should be connected to a dedicated power line which is separately fused.
- Do not use a multi socket outlet which is not properly grounded (portable). In case of using a properly-grounded multi socket outlet (portable), use the multi socket outlet with the current capacity of the power cord rating or higher and use the multi socket outlet only for the appliance.

### **Operation**

- Do not use the appliance for any purpose (storage of medical or experimental materials or shipping) other than any domestic household food storage use.
- If water penetrates electrical parts of the appliance, disconnect power plug and contact an LG Electronics customer information centre.
- Unplug the power plug during a severe thunderstorm or lightening or when not in use for a long period of time.
- Do not touch the power plug or the appliance controls with wet hands.
- Do not bend the power cable excessively or place a heavy object on it.
- Immediately unplug the power plug and contact an LG Electronics customer information centre if you detect a strange sound, odour, or smoke coming from the appliance.
- Do not place hands or metallic objects inside the area emitting the cold air, cover or heat releasing grille on the back.
- Do not apply excessive force or impact to the back cover of the appliance.

- Be careful of nearby children when you open or close the appliance door. The door may bump the child and cause injury.
- Avoid the danger of children getting trapped inside the appliance. A child trapped inside the appliance can cause suffocation.
- Do not put animals, such as pets into the appliance.
- Do not place heavy or fragile objects, containers filled with liquid, combustible substances, flammable objects (such as candles, lamps, etc.), or heating devices (such as stoves, heaters, etc.) on the appliance.
- Do not place any electronic appliance (such as heater and mobile phone) inside the appliance.
- If there is a gas leakage (isobutane, propane, natural gas, etc.), do not touch the appliance or power plug and ventilate the area immediately. This appliance uses a refrigerant gas (isobutane, R600a). Although it uses a small amount of the gas, it is still combustible gas. Gas leakage during appliance transport, installation or operation can cause fire, explosion or injury if sparks are caused.
- Do not use or store flammable or combustible substances (ether, benzene, alcohol, chemical, LPG, combustible spray, insecticide, air freshener, cosmetics, etc.) near the appliance.

## Disposal

- When discarding the appliance, remove the door gasket while leaving the shelves and baskets in place and keep children away from the appliance.

## CAUTION



### CAUTION

To reduce the risk of minor injury to persons, malfunction, or damage to the product or property when using this product, follow basic precautions, including the following:

### Operation

- Do not touch frozen food or the metal parts in the freezer compartment with wet or damp hands. It may cause frostbite.
- Do not place glass containers, bottles or cans (especially those containing carbonated drinks) in the freezer compartment, shelves or ice bin that will be exposed to temperatures below freezing.
- The tempered glass on the front side of the appliance door or the shelves can be damaged by an impact. If it is broken, do not touch it with hands.
- Do not hang from the appliance doors, storage room, shelf or climb up into it.
- Do not store an excessive amount of water bottles or containers for side dishes on the door baskets.
- Do not open or close the appliance door with excessive force.
- If the hinge of the appliance door is damaged or operates improperly, stop using the appliance and contact an authorized service centre.
- Prevent animals from nibbling on the power cable or water hose.
- Never eat frozen foods immediately after they have been taken out in the freezer compartment.
- Make sure not to get a hand or foot stuck upon opening or closing the appliance door or door in door.

### Maintenance

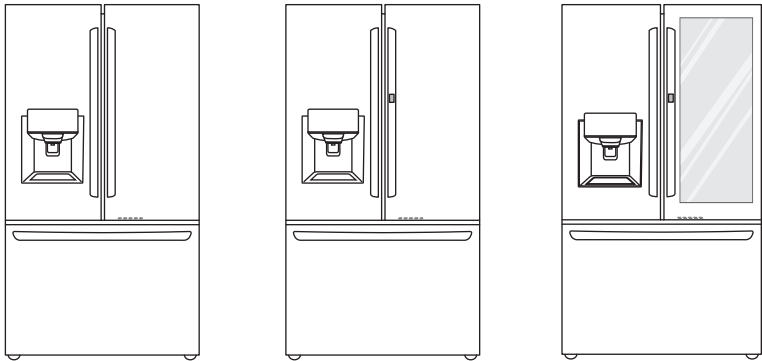
- Do not clean glass shelves or covers with warm water when they are cold. They may shatter if exposed to sudden temperature changes.
- Do not insert the shelves upside down. The shelves may fall.
- To remove frost from the appliance, contact an LG Electronics customer information centre.
- Dispose of the ice inside the ice bin in the freezer compartment during an extended power outage.

# INSTALLATION

## Product Overview

The appearance or components of the appliance may differ from model to model.

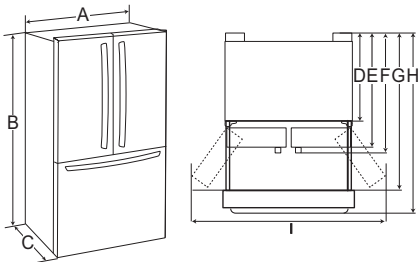
### Front View



## Before Installation

### Dimensions and Clearances

Too small of a distance from adjacent items may result in the degradation of freezing capability and increased electricity costs. Allow over 50 mm of clearance between the back of the appliance and the wall when installing the appliance.



-	Type 1	Type 2
D	758 mm	610 mm
E	866 mm	718 mm
F	929 mm	781 mm
G	1240 mm	1092 mm
H	1466 mm	1200 mm
I	1460 mm	1460 mm

### NOTE

- You can determine what type of appliance it is by looking at the label inside the appliance.

-	Type 1	Type 2
A	908 mm	908 mm
B	1785 mm	1785 mm
C	929 mm	781 mm

### Ambient Temperature

- The appliance is designed to operate within a limited range of ambient temperatures, depending on the climate zone.
- The internal temperatures could be affected by the location of the appliance, the ambient

## 12 INSTALLATION

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temperature, the frequency of door opening and so on.

- The climate class can be found on the rating label.

Climate Class	Ambient Temperature Range °C
SN (Extended Temperate)	+10 - +32
N (Temperate)	+16 - +32
ST (Subtropical)	+16 - +38 / +18 - +38**
T (Tropical)	+10 - +43* / +16 - +43 / +18 - +43**

\* Australia, India, Kenya

\*\* Argentina

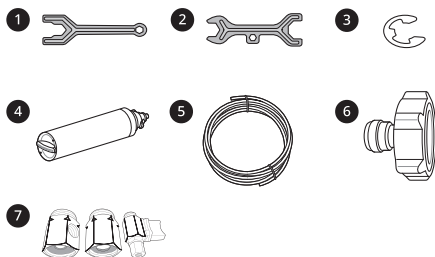
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### NOTE

- The appliances rated from SN to T are intended to be used at an ambient temperature between 10 °C and 43 °C.
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## Accessories

\*1 This feature is only available on some models.



- 1 Spanner A\*<sup>1</sup>
- 2 Spanner B\*<sup>1</sup>
- 3 C-Clip (Snap Ring)\*<sup>1</sup>
- 4 Water Filter
- 5 Water Tube\*<sup>1</sup>
- 6 Tube Connector\*<sup>1</sup>
- 7 Tube Connector and Valve\*<sup>1</sup>

## Removing the Handle

When moving the appliance through a narrow opening, removing the doors is preferred. The appearance of the handles may vary from what is shown.

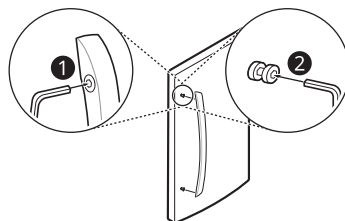
### CAUTION

- When removing or refitting the appliance handle, grasp the handle firmly to avoid dropping it.
- Make sure that there is not a gap between the door and handle after assembling the handle.

## Removing the Fridge Handle

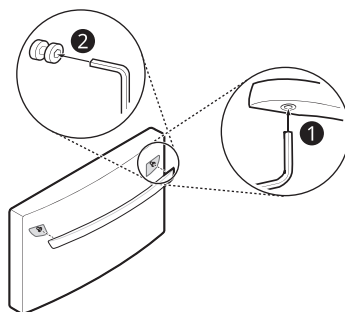
- 1 Loosen the set screws 1 with a 2.38 mm (3/32 in.) Allen wrench and remove the handle.
- 2 Loosen the mounting fasteners 2 that connect to the refrigerator door and handle using a

6.35 mm (1/4 in.) Allen wrench, and remove the mounting fasteners.



## Removing the Freezer Drawer Handle

- 1 Loosen the set screws 1 located on the lower side of the handle with a 3.18 mm (1/8 in.) Allen wrench and remove the handle.
- 2 Loosen the mounting fasteners 2 with a 6.35 mm (1/4 in.) Allen wrench, and remove the mounting fasteners.



## Refitting the Fridge and Drawer Handle

Refit the handle in the reverse sequence of their removal once the appliance has been passed through all access doors.

## Removing the Door and Drawer

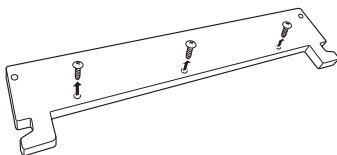
If your entrance door is too narrow for the appliance to pass through, remove the appliance doors and pass the appliance laterally.

### ⚠ WARNING

- Disconnect the power cord, house fuse or circuit breaker before installing, removing the doors, or cleaning the appliance. Failure to follow these instructions may result in death, fire or electric shock.

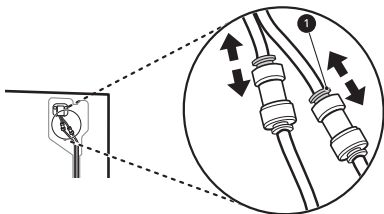
## Removing the Hinge Cover

Remove the screws from the hinge cover at the top of the appliance. Lift the hook (not visible), located at the bottom of the front side of the cover with a flat-head screwdriver.



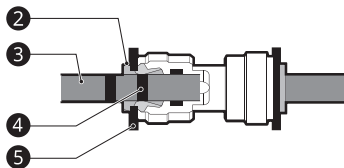
## Removing the Left Fridge Door

- 1 The water supply is connected to the upper right part of the rear surface of the appliance. Remove the clip in the joint area. Hold the water supply connection and gently push the collet **1** to detach the water supply line as shown.



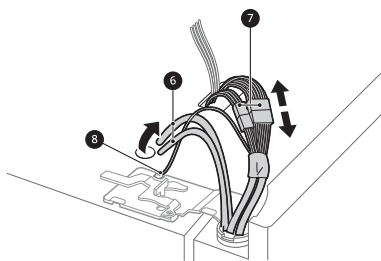
### NOTE

- Disassembling/Assembling the Water Lines

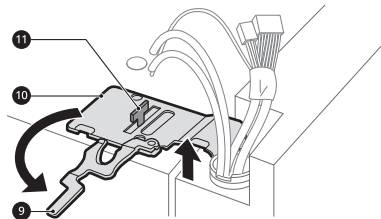


**2** Collet **3** Tube **4** Insert line **5** Clip

- 2 Pull out the water supply lines **6**. Disconnect all the wire harnesses **7**. Unscrew the ground wire **8**.



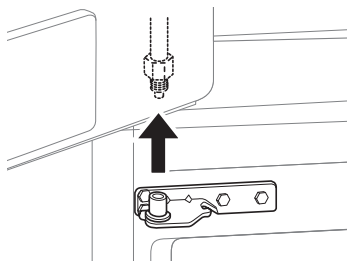
- 3 Rotate the hinge lever **9** counterclockwise. Lift the top hinge **10** free of the hinge lever latch **11**.



### ⚠ CAUTION

- When lifting the hinge free of the latch, be careful that the door does not fall forward.

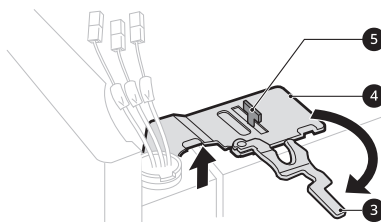
- 4** Lift the door from the middle hinge pin and remove the door.



### ⚠ CAUTION

- Place the door, inside facing up, on a nonscratching surface.

- 2** Rotate the hinge lever **3** clockwise. Lift the top hinge **4** free of the hinge lever latch **5**.

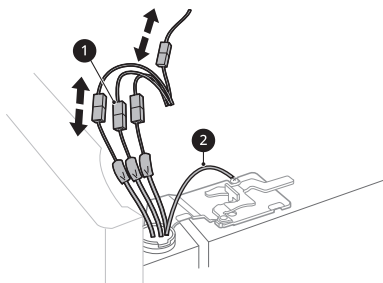


### ⚠ CAUTION

- When lifting the hinge free of the latch, be careful that the door does not fall forward.

## Removing the Right Fridge Door

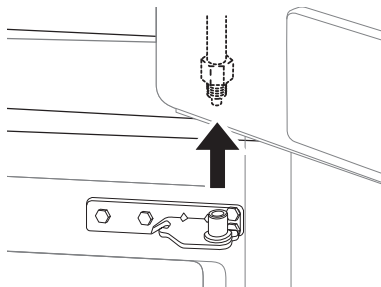
- 1** Detach all the wire harnesses **1**. Unscrew the earth wire **2**.



### NOTE

- The number of wire harnesses may vary depending on the model.
- Earth wire is only present on some models.

- 3** Lift the door from the middle hinge pin and remove the door.



### ⚠ CAUTION

- Place the door, inside facing up, on a nonscratching surface.

## Removing the Freezer Drawer

### ⚠ WARNING

- To prevent accidents, keep children and pets away from the drawer. Do not leave the drawer open.

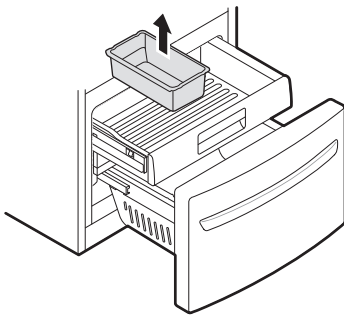
## 16 INSTALLATION

### **⚠ CAUTION**

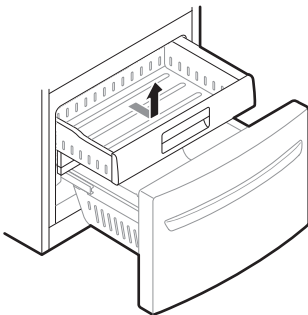
- Do not sit or stand on the freezer drawer.
- When you lay the drawer down, be careful not to damage the floor.
- Be careful of sharp hinges on both sides of the drawer.
- Use two or more people to remove and install the fridge doors and freezer drawer.

**1** Pull the drawer open to full extension.

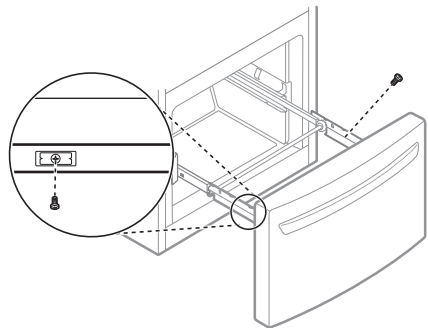
**2** Gently lift and pull out the ice bin.



**3** Lift the front of the drawer up, then pull it straight out.



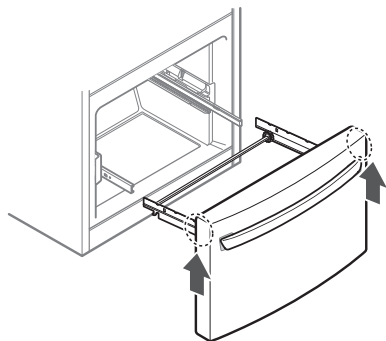
**4** Remove the Durabase basket from the rails. Remove the screws from the rails at both ends.



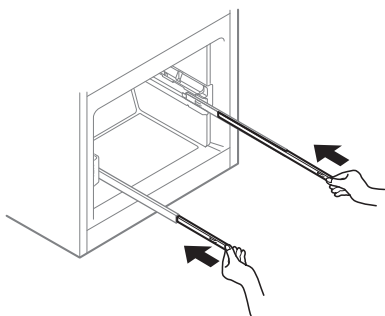
**5** Grip both sides of the drawer and pull it up to remove it from the rails.

### **⚠ CAUTION**

- Do not hold the handle when removing or replacing the drawer. The handle may come off, causing personal injury.



- 6** Hold both rails and push them in simultaneously.



## Refitting the Door and Drawer

Refit the door and drawer in the reverse sequence of their removal once the appliance has been passed through all access doors.

## Connecting the Water Line

This section is applied only to models with plumbed water or ice dispenser.

### Water Supply Requirements

A cold water supply with water pressure between 138 kPa and 827 kPa (1.4-8.4 kgf/cm<sup>2</sup>) is required to operate the water dispenser. If the refrigerator is installed in an area with low water pressure (below 138 kPa), you can install a booster pump to compensate for the low pressure.

If a reverse osmosis water filtration system is connected to your cold water supply, the water pressure to the reverse osmosis system needs to be a minimum of 138 kPa to 827 kPa (1.4-8.4 kgf/cm<sup>2</sup>).

## ⚠ WARNING

- Unplug the appliance before carrying out any work on connecting the water line. Failure to do so may cause electric shock.
- Only connect the water line to a cold water supply. Failure to do so may cause the water filter to malfunction. Water hammer (water banging in the pipes) in house plumbing can

cause damage to appliance parts and can lead to water leakage or flooding.

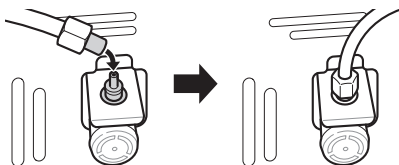
- Connect to potable water supply only.
- Connecting the water line must only be installed by a qualified plumber and in accordance with local legislation and regulations governing water quality.

## NOTE

- This water line installation is not covered by the appliance warranty.

## Connecting Water to the Appliance

- 1 Unscrew the metal threaded collar nut at the back of the appliance and place it over one end of the water tube.
- 2 Firmly push the water tube onto the water inlet valve and tighten up the collar nut.



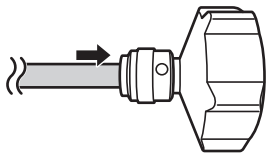
## Connecting to the Water Tap

This feature is only available on some models. The feature may vary depending on model purchased.

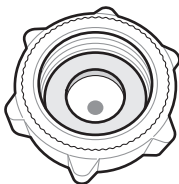
- 1 Push the water tube into the hole of the tap connector supplied in the accessories. The pipe

## 18 INSTALLATION

should be held firmly whilst the connector is pushed onto the pipe.



- 2 Ensure that the rubber washer is fitted to the inside of the tap connector before screwing it onto the tap.
  - A separate connector or adaptor may need to be purchased if your tap fitting does not match the thread size of the connector provided.



## Checking the Water Connection

- 1 Turn on the water supply and switch on the appliance. Carefully check all fittings for possible leaks due to poorly fitted hoses.
- 2 Press and hold the **Water Filter** button for three seconds. The new water filter has been activated.
- 3 Place a cup under the water dispenser to verify that water is flowing through the appliance.
- 4 Check the connecting tube and joints for leaks once again.

## Levelling and Door Alignment

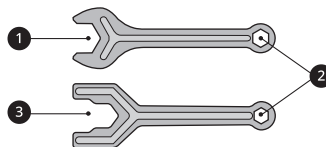
### Before Beginning

When the appliance doors appear to be uneven, follow the instructions below to align the doors.

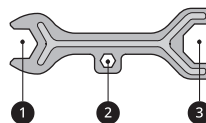
### NOTE

- The spanner may differ depending on the model. You will be provided with either spanner type A or B.

- Spanner Type A



- Spanner Type B



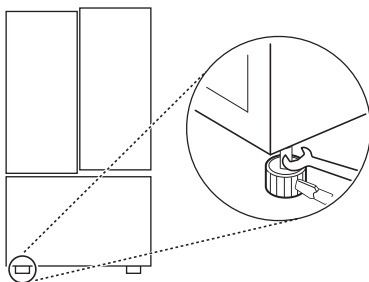
## Levelling the Appliance

The appliance has two front levelling legs. Adjust the legs to alter the tilt from front-to-back or side-to-side. If the appliance seems unsteady, or the doors do not close easily, adjust the appliance's tilt using the instructions below:

- 1 Turn the levelling leg to the left to raise that side of the appliance or to the right to lower it. It may take several turns of the levelling leg to adjust the tilt of the appliance.

## NOTE

- A flare nut wrench works best, but an open-end wrench will suffice. Do not over-tighten.



- 2 Open both doors and check to make sure that they close easily. If the doors do not close easily, tilt the appliance slightly more to the rear by turning both levelling legs to the left. It may take several more turns, and be sure to turn both levelling legs the same amount.

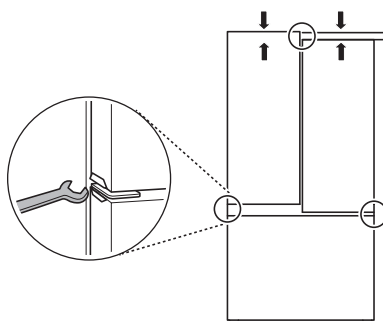
## Door Alignment (Standard Door Model)

Both the left and right fridge doors have an adjustable nut, located on the bottom hinge, to raise and lower them to align properly.

If the space between the doors is uneven even after the door bins are filled, follow the instructions below to align the doors evenly:

Use the spanner (included with the owner's manual) to turn the nut in the door hinge to adjust

the height. Turn the nut to the right to raise the door or to the left to lower it.



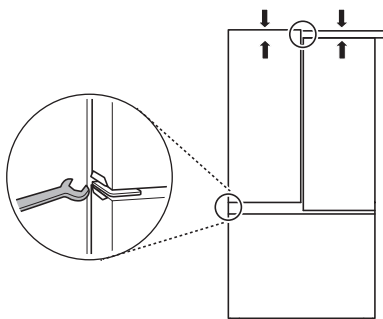
## Door Alignment (Door-in-Door Model)

### Left Fridge Door

The left fridge door has an adjustable nut, located on the bottom hinge, to raise and lower the door for proper alignment.

If the space between the doors is uneven, follow the instructions below to align the left door:

Use the wrench (included with the owner's manual) to turn the nut in the door hinge to adjust the height. Turn the nut to the right to raise the door or to the left to lower it.



### Right Fridge Door

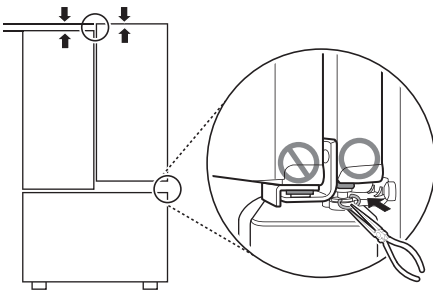
The right fridge door does not have an adjustable nut.

If the space between the doors is uneven, follow the instructions below to align the right door:

## 20 INSTALLATION

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- 1 With one hand, lift up both the inner and outer door sections of the right door to raise them at the middle hinge. (It may be easier to lift it with the doors open.)
- 2 With the other hand, use pliers to insert the snap ring on the middle hinge of the inner door section as shown. Do not insert the ring on the hinge of the outer door section.
- 3 Insert additional snap rings until the right door is aligned. (Two snap rings are provided with the unit.)
- 2 Pull the power plug out, insert and fix it into the power plug hook at the rear or on top of the appliance.
- 3 Tape parts such as shelves and the door handle to prevent from falling off while moving the appliance.
- 4 Move the appliance with more than two people carefully. When transporting the appliance over a long distance, keep the appliance upright.
- 5 After installing the appliance, connect the power plug into a mains outlet socket and switch it on.



## Turning on the Power

### Connecting the Appliance

After installing the appliance, connect the power plug into the outlet socket.

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#### NOTE

- After connecting the power supply cord (or plug) to the outlet, wait 3 or 4 hours before you put food into the appliance. If you add food before the appliance has cooled completely, your food may spoil.
- 

## Moving the Appliance for Relocation

### Preparing for Relocation

- 1 Remove all food from inside the appliance.

# OPERATION

## Before Use

### Notes for Operation

- Users should keep in mind that frost can form if the door is not closed completely or if the humidity is high during the summer.
- Ensure there is sufficient space between food stored on the shelf or door basket to allow the door to close completely.
- Opening the door for long periods can cause a significant increase of the temperature in the compartments of the appliance.
- If the refrigerating appliance is left empty for long periods, switch off, defrost, clean, dry, and leave the door open to prevent mould developing within the appliance.

### Door Open Alarm

The alarm sounds 3 times in 30 second intervals if the door is left open or not completely closed for 1 minute.

#### NOTE

- Contact the LG Electronics customer information centre if the alarm sound continues even after closing all doors.

### Failure Detection

The appliance can automatically detect problems during the operation.

#### NOTE

- If a problem is detected, the appliance may not operate and an error code is displayed even when any button is pressed.
- If an error code is indicated on the display, do not turn off the power. Immediately contact the LG Electronics customer information centre and report the error code. If you turn off the power,

the repair technician from the our information centre may have difficulty finding the problem.

### Suggestion for Energy Saving

- For the most efficient use of energy, make sure that door bins, drawers and shelves are assembled properly.
- Ensure there is sufficient space between stored foods. This allows cold air to be circulated evenly and lowers electricity bills.
- Store hot food only after it has cooled in order to prevent dew or frost.
- When storing food in the freezer compartment, set the freezer temperature lower than the temperature indicated on the food.
- Do not set the temperature of the appliance lower than needed.
- Do not put food near the temperature sensor of the fridge compartment. Keep a distance of at least 3 cm from the sensor.
- Note that a temperature rise after defrosting has a permissible range in the appliance specifications. If you wish to minimise the impact on the food storage due to a temperature rise, seal or wrap the stored food in several layers.
- The automatic defrosting system in the appliance ensures that the compartment remains free of ice buildup under normal operating conditions.

### Storing Foods Effectively

- Food may freeze or spoil if stored at the wrong temperature. Set the refrigerator to the correct temperature for the food being stored.
- Store frozen food or refrigerated food inside sealed containers.
- Check the expiration date and label (storage instructions) before storing food in the appliance.

- Do not store food for a long period of time if it spoils easily at a low temperature.
- Do not place unfrozen food in direct contact with food that is already frozen. It could be necessary to reduce the quantity to be frozen if freezing every day is anticipated.
- Place the refrigerated food or frozen food in each fridge or freezer compartment immediately after purchasing.
- Store raw meat and fish in suitable containers in the refrigerator, so that it is not in contact with or drip onto other food.
- Refrigerated foods and other food items can be stored on top of the vegetable drawer.
- Avoid refreezing any food which has been completely thawed. Freezing any food which has been completely thawed again will lower its taste and nutrition.
- Do not overfill the appliance. Cold air can not circulate properly if the appliance is overfilled.
- Cool hot food before storing. If too much hot food is placed inside, the internal temperature of the appliance can increase and negatively affect other foods stored in the appliance.
- If you set an excessively low temperature for food, it may become frozen. Do not set a temperature lower than the required temperature for the food to be stored correctly.
- If there are chill compartments in the appliance, do not store vegetables and fruits with higher moisture content in the chill compartments as they may freeze due to the lower temperature.
- In the event of a blackout, call the electricity company and ask how long it is going to last.
  - You should avoid door openings while the power is off.
  - When the power supply gets back to normal, check the condition of the food.
- **Express Freeze** must be switched on for 2 hours before fresh products are placed in the freezer compartment.
- To get better air circulation, insert all inner parts like baskets, drawers, and shelves.

### Freezing the Maximum Amount of Food

If large quantities of food are to be stored, all the freezer drawers should be taken out of the appliance except the bottom one and the food should be stacked directly on the freezer shelves in the freezer compartment.

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#### CAUTION

- To remove the drawers, first remove the food from drawers and then pull out the drawers carefully. Not doing so could cause injury or damage to the drawers.
- 

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#### NOTE

- The shape of each drawer may be different, insert in the right position.
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### Maximum Freezing Capacity

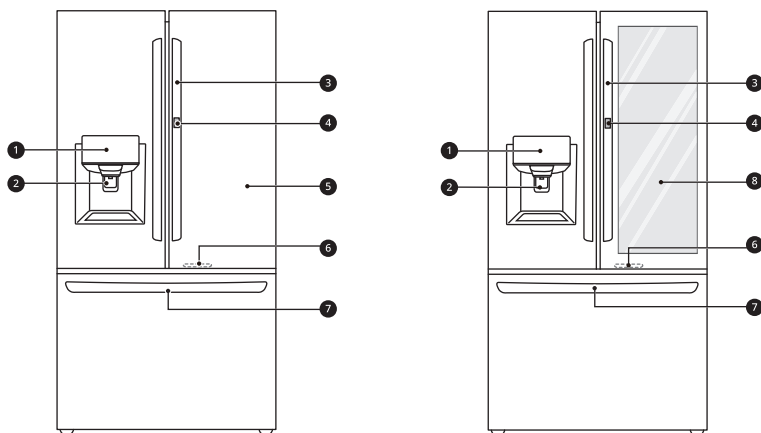
- **Express Freeze** function will allow the freezer to reach its maximum freezing capacity. This generally takes up to 24 hours and automatically switches off.

## Product Features

The appearance or components of the appliance may differ from model to model.

### Exterior

\*1 This feature is only available on some models.



#### 1 Control Panel

Sets the refrigerator temperature and freezer temperature, the water filter condition and the dispenser mode.

#### 2 Filtered Water and Ice Dispenser

Dispenses purified water and ice.

#### 3 Fridge Handle

Easily opens the fridge door.

#### 4 Door Button\*1

Opens the **Door in Door** Compartment.

#### 5 Door in Door\*1

The **Door in Door** is a double layered door system. It can be opened individually or together with the main door. You can conveniently locate and access your favourite snacks or food items.

#### 6 LED Light

LED lights up when the freezer door is opened.

#### 7 Freezer Handle

Opens and closes the freezer drawer.

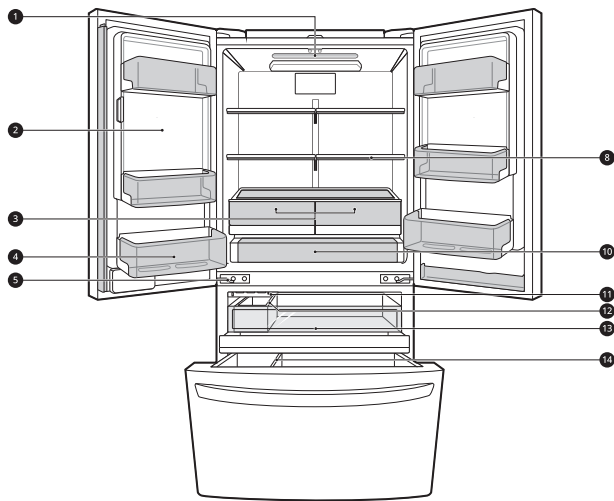
#### 8 InstaView Door in Door\*1

The **InstaView Door in Door** compartment allows for easy access to commonly used food items.

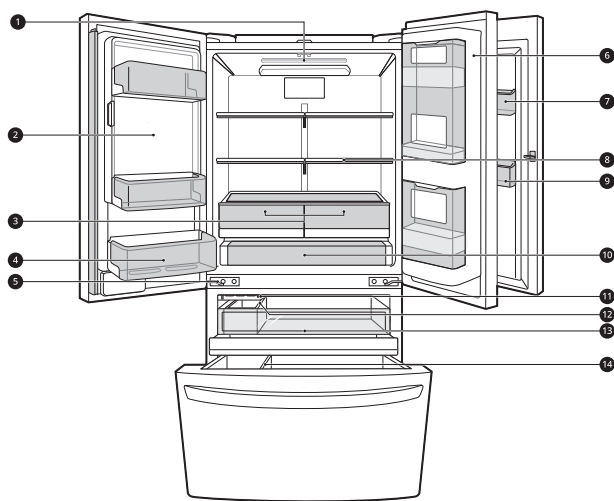
Interior

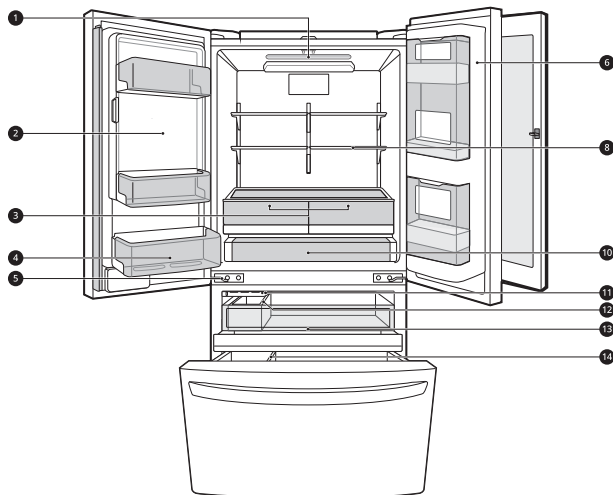
\*1 This feature is only available on some models.

Standard Door Model:



Door in Door Model:



**InstaView Door in Door Model:****1 LED interior lamps**

Light up the inside of the fridge.

**2 Fridge Icemaker**

This is where ice is automatically produced and stored.

**3 Humidity Controlled Crisper**

Helps vegetables and fruit to stay crisp and controls humidity.

**4 Fixed Door Bin**

Store chilled food or drinks.

**5 Auto-Closing Hinge**

The fridge doors and freezer drawers close automatically when pushed slightly. (The door only closes automatically when it is open at an angle of less than 30°.)

**6 Door in Door Case<sup>\*1</sup>**

A convenient storage area for frequently-used items that require easy access.

**7 Cheese & Butter and Condiment Bins<sup>\*1</sup>**

Cheese & Butter and Condiment bins are specially designed for these items, making spreading butter and slicing cheese easier.

**8 Adjustable Fridge Shelf**

The fridge shelves are adjustable to meet individual storage needs.

**9 Modular Door Bin<sup>\*1</sup>**

Interchangeable bins can be arranged to suit storage needs.

**10 Glide'N'Serve<sup>\*1</sup>**

Store food items at a different temperature than the regular fridge area.

### 11 Freezer Icemaker

Dispenses ice automatically.

### 12 Ice Bin

The ice is automatically produced by the icemaker in the freezer and stored in an ice bin in the freezer.

### 13 Pullout Drawer

Provides extra storage within the freezer compartment.

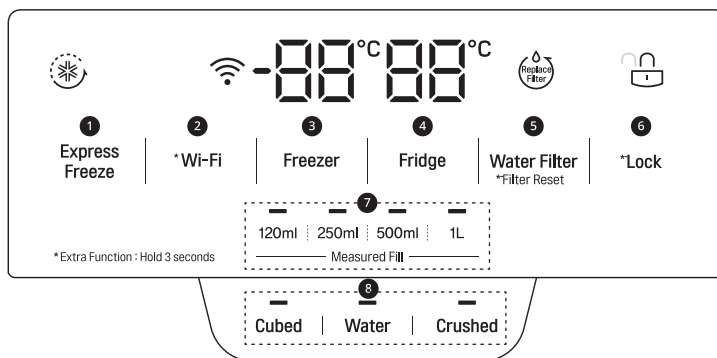
### 14 Durabase and Durabase Divider

Provides storage for large food items.

## Control Panel

The actual control panel may differ from model to model.

## Control Panel and Functions




### 1 Express Freeze

This function increases both ice making and freezing capabilities.

Press the **Express Freeze** button to illuminate the icon and activate the function for 24 hours. The function automatically shuts off after 24 hours. Stop the function manually by pressing the button once more.

### 2 Wi-Fi

The **Wi-Fi** button, when used with the **LG ThinQ** app, allows the appliance to connect to a home Wi-Fi network. Refer to Smart Functions for information on the initial setup of the application.

The  icon shows the status of the appliance's network connection. The icon illuminates when the appliance is connected to the Wi-Fi network.

Press and hold the **Wi-Fi** button for 3 seconds to connect to the network. The icon blinks while the connection is being made, then turns on once the connection is successfully made.

### 3 Freezer

Press this button repeatedly to select a desired temperature between -23 °C and -15 °C.

- The default freezer temperature is -18 °C.

## NOTE

### • Craft Ice

- This feature is only available on some models.
- The **Freezer** button can also be used to set the **Craft Ice** mode to either **3 ICE** or **6 ICE**.
- For more ice, select the **6 ICE** mode. For clearer ice, select the **3 ICE** mode.
- To change the **Craft Ice** mode:
  - 1) Press and hold the **Freezer** button for 3 seconds until the control panel beeps and the current mode appears.
  - 2) Press the **Freezer** button repeatedly to toggle between **3 ICE** and **6 ICE** modes.

### NOTE


- 3) After 5 seconds of idle time, the last mode set will be saved, and the display will return to normal.
- 

#### ④ Fridge

Press this button repeatedly to select a desired temperature between 1 °C and 7 °C.


- The default fridge temperature is 3 °C.

#### ⑤ Water Filter

Replace the water filter when the  icon turns on. After replacing the water filter, press and hold the **Water Filter** button for three seconds to turn the icon light off. Replace the water filter approximately every six months.

#### ⑥ Lock

The lock function disables every other button on the display.

- When power is initially connected to the appliance, the lock function is off.
- To lock the control panel buttons, press and hold the **Lock** button until the  icon appears in the display and the function is activated.
- To disable the function, press and hold the **Lock** button for approximately three seconds.

#### ⑦ Measured Fill

The measured fill function dispenses premeasured amounts of water automatically.

#### ⑧ Water & Ice Type

Select the desired dispenser mode from the buttons on the dispenser control panel. Press the dispenser switch with a glass or other container to dispense cubed ice, water or crushed ice.

### NOTE

- When the appliance is in the Power Saving Mode, the display remains off until a door is opened or a button is pressed. Once on, the display remains on for 20 seconds.
- The displayed temperature is the target temperature, and not the actual temperature of the appliance. The actual appliance temperature depends on the food inside the appliance.
- This appliance incorporates an earth connection for functional purposes only.

#### Display Mode and InstaView Display Mode (For Store Use Only)

- The **Display Mode** disables all cooling in the fridge and freezer sections to conserve energy while on display in a retail store. When activated, OFF is displayed on the control panel and the display remains on for 20 seconds.
  - To deactivate/activate the Display Mode:  
Open either fridge door. Press the **Express Freeze** button 3 times while pressing and holding the **Fridge** button. The control panel beeps and the temperature settings display to confirm that Display Mode is deactivated. Use the same procedure to activate Display Mode.
- The **InstaView Display Mode** automatically turns the LED light inside the InstaView Door-in-Door on and off in cycles of 10 seconds ON and 2 minutes 50 seconds OFF.
  - To activate the InstaView Display Mode:  
Activate the Display Mode first. Then open all fridge and freezer doors and within 5 seconds knock 3 times on the door glass.

- To deactivate the InstaView Display Mode:

Open all fridge and freezer doors and within 5 seconds knock 3 times on the door glass. The appliance is now in Display Mode.

- To deactivate the Display Mode and InstaView Display Mode at once:

Open either fridge door. Press the **Express Freeze** button 3 times while pressing and holding the **Fridge** button.

## Ice and Water Dispenser

### Before Using the Ice and Water Dispenser

#### ⚠ CAUTION

- Keep children away from the dispenser to prevent children playing with or damaging the controls.
- Throw away the first few batches of ice (about 20 cubes and 7 cups of water). This is also necessary if the appliance has not been used for a long time.
- Clean the water dispensing system if they have not been used for 48 hours. Flush the water system connected to a water supply if water has not been drawn for 5 days.
- To clean the water dispensing system, flush the water through the dispenser about 5 minutes and throw away the first few batches of ice.
- Do not use a thin crystal cup or chinaware when dispensing water or ice.

#### NOTE

- If you open the fridge door while water, cubed ice or crushed ice is being dispensed, dispensing will be paused. When you close the door, the selected item will continue to be dispensed.
- If the cup rim is small, water may splash out of the glass or miss it completely.
- Use a cup with a rim of over 68 mm in diameter when dispensing water, cubed ice or crushed ice.
- When the ice maker produces smaller ice cubes, or the cubes become lumped together, the amount of water supplied to the ice maker may be low due to insufficient water in the water

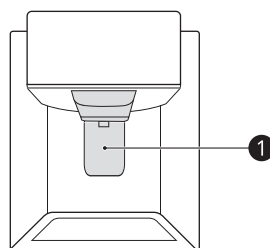
tank. If ice is not used frequently or the freezer set temperature is too warm, it may also lump together.

- It is normal for milky / cloudy water to be dispensed after replacing the water filter. This air in the water will eventually clear and is safe to drink during this transition.

### Using the Ice and Water Dispenser

Press the dispenser selection button repeatedly until the light above the icon that you want illuminates.

Press the dispenser paddle ① with a glass or other container to dispense cubed ice, water or crushed ice.



### Using the Measured Fill Feature

The Measured Fill function dispenses premeasured amounts of water automatically.

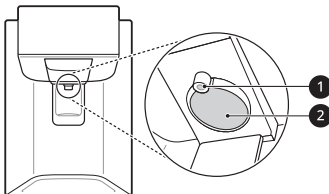
- 1 Select the desired amount from the **Measured Fill** buttons on the dispenser control panel.
- 2 Press the dispenser switch with a container.

- 3** To stop the measured fill, release the dispenser switch.

## Cleaning the Dispenser

### Cleaning the Ice and Water Outlet

Wipe the water outlet **1** or ice outlet **2** frequently with a clean cloth as it may get dirty easily.



### NOTE

- Lint from a cloth may adhere to the outlets.

### Cleaning the Dispenser Tray

Wipe the entire area with a damp cloth. The dispenser tray may become wet easily due to spilled ice or water.



## Automatic Icemaker

This feature is only available on some models.  
This feature may vary depending on model purchased.

### Before Using the In-Door Icemaker

- The icemaker produces ice normally when approximately 48 hours have passed after the appliance is initially installed.

- If the ice bin is completely filled with ice, ice production will stop.
- Sound of ice dropping into the ice bin is normal.
- If ice cubes are stored in the ice bin for a long period of time, they may clump together and may not be separated easily. In such a case, empty the ice bin and allow fresh ice to be made.

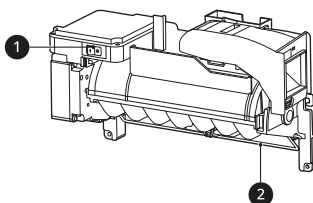
### ⚠ CAUTION

- It is normal for milky or cloudy water to be dispensed after replacing the water filter. This air in the water will clear eventually and is safe to drink.
- The first ice and water dispensed may include particles or odour from the water supply line or the water tank.
- If discolored ice is dispensed, check the water tank and the water supply for a possible source. If the problem continues, contact the LG Electronics customer information centre. Do not use the ice or water until the problem is corrected.
- Do not touch the ice outlet or the automatic icemaker with your hand or a tool.
- Dispense ice into a glass before filling it with water or other beverages. Splashing will occur if ice is dispensed into a glass that already contains liquid.
- Never use a glass that is exceptionally narrow or deep. Ice may jam in the ice passage, affecting the performance of the appliance.
- Keep the glass at a proper distance from the ice outlet. A glass held too close to the outlet may prevent ice from dispensing.
- Dispose of the ice inside the ice bin if you go on vacation or if an extended power outage occurs. Water from melting ice may drop from the dispenser onto the floor.

### In-Door Icemaker

The automatic icemaker can automatically make 70 - 182 cubes within a 24-hour period if conditions are favourable. This amount may vary according to the environment (ambient temperature around the

appliance, frequency of the door being opened, amount of food stored in the appliance, etc.).



- ❶ Power Switch
- ❷ Auto Shutoff (feeler arm)

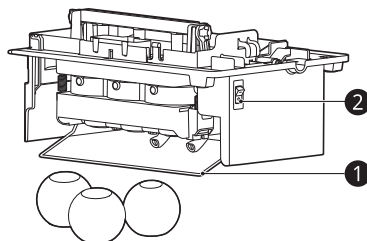
## Before Using the Freezer Icemaker

### NOTE

- The icemaker begins producing ice approximately 48 hours after the appliance is initially installed.
- Throw away the first few batches of ice after installation.
- The sound of ice dropping into the ice bin is normal.
- If the ice bin is completely filled with ice, ice production will stop.
- The amount and shape of ice may vary according to the environment (ambient temperature around the appliance, frequency of the door being opened, amount of food stored in the appliance, water pressure, etc.).
- In the event of a power outage, throw away the ice stored in the ice bin.

## Freezer Icemaker (Craft Ice)

This feature is only available on some models.



- ❶ Feeler Arm
- ❷ Power Switch

### ⚠ CAUTION

- Do not insert round ice into the in-door ice bin, as it can damage the ice and water dispenser.

### NOTE

- Following installation or water filter replacement, the first few batches of ice may be semicircular or contain air bubbles.
- If the water pressure is less than 20 psi (138 kPa) or a reverse osmosis system is used, the shape of the ice may vary.
- The ice may look cloudy depending on the water quality in the installation location and the operating conditions.
- Throw away any shards of ice you may find in the ice bin, as they may stick to the ice stored in the ice bin.
- After a short term power outage, it will take longer to make the first batch of ice, and the ice may not be round. If the power will be out for a longer period, throw away the ice stored in the ice bin.
- The **Craft Ice** icemaker produces 1 batch of round ice (3 pieces) at a time.
- In **3 ICE** mode, the **Craft Ice** icemaker produces 1 batch of round ice (3 pieces) every 18 - 30 hours. In **6 ICE** mode, the **Craft Ice** icemaker produces 2 batches of round ice (6 pieces total) in the same period.

### NOTE

- For more ice, select the **6 ICE** mode. For clearer ice, select the **3 ICE** mode.
  - The time needed to make ice may vary according to operating conditions.
  - The ice bin stores 20 - 30 pieces of round ice.
- 

## Turning the Icemaker On/Off

To turn the automatic icemaker On/Off, press the power switch on the icemaker to the ON ( | ) or OFF (O) position.

## Normal Sounds You May Hear

The icemaker water valve will buzz as the icemaker fills with water. If the power switch is in the ON ( | ) position, it will buzz even if it has not yet been hooked up to water. To stop the buzzing, move the power switch to OFF (O).

### NOTE

- Do not keep the power turned on to the icemaker if the water line is not connected. Doing so can damage the icemaker.
- 

## Preparing for Vacation

If the ambient temperature will drop below freezing, have a qualified technician drain the water supply system to prevent serious property damage due to flooding caused by ruptured water lines or connections. Set the icemaker power switch to OFF (O) and shut off the water supply to the appliance.

### NOTE

- The ice bin should be emptied any time the icemaker on/off switch is turned to the OFF (O) position.
- 

## InstaView

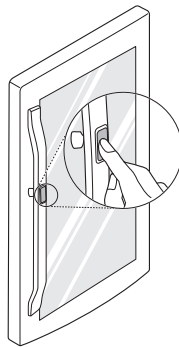
This feature is only available on some models.

### InstaView Door in Door Compartment

This feature is only available on some models.

The **InstaView Door in Door** compartment allows for easy access to commonly used food items.

To access the **InstaView Door in Door** compartment, lightly press the button on the right fridge door handle.



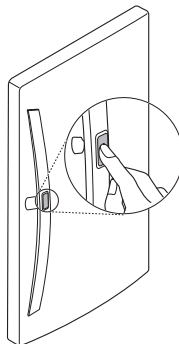
## Door in Door

This feature is only available on some models.

### Using the Door in Door

The **Door in Door** compartment allows for easy access to commonly used food items.

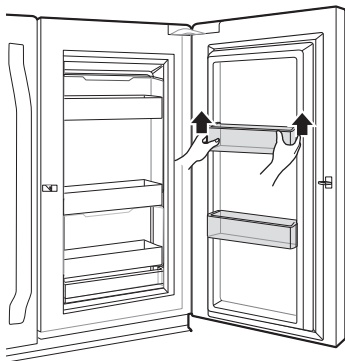
To access the **Door in Door** compartment, lightly press the button on the right fridge door handle.



## Removing/Refitting the Door in Door Bin

The Door in Door inner and outer door bins are removable for easy cleaning.

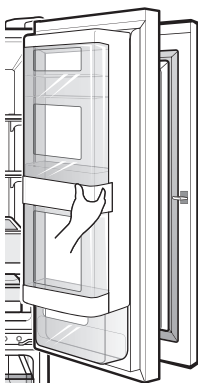
- 1 To remove the door bins, lift up and pull out.



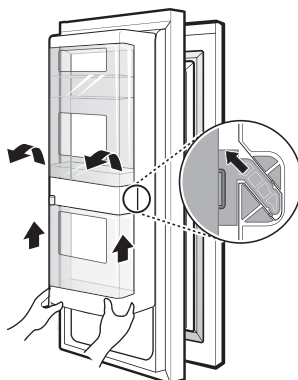
- 2 To refit the case, slide the door bin in above the desired support and push down until it snaps into place.

## Removing/Refitting the Door in Door Case

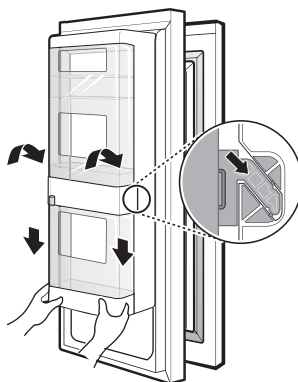
To open the Door in Door case, press on the area marked **Pull to open**. The case is removable for easy cleaning and adjustment.



- 1 To remove the case, lift up and pull out.



- 2 To refit the case, line up the tabs on the case with the slots on the door and push down until it snaps into place.



## Humidity Controlled Crispers

### Using the Humidity Controlled Crispers

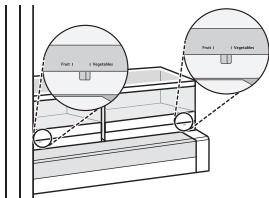
This feature is only available on some models.

The crispers provide fresher tasting fruit and vegetables by letting you easily control humidity inside the drawer.

You can control the amount of humidity in the moisture-sealed crispers by adjusting the control to any setting between **Vegetables** and **Fruit**.

## 34 OPERATION

- **Vegetables** keeps moist air in the crisper for best storage of fresh, leafy vegetables.
- **Fruit** lets moist air out of the crisper for best storage of fruit.

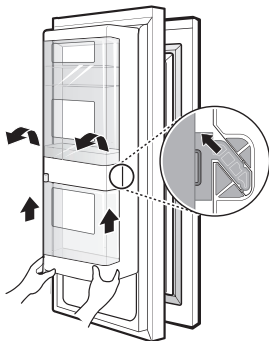


### Removing/Refitting the Humidity Controlled Crispers

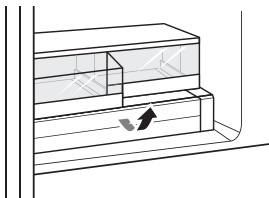
- 1 Open the doors completely and remove the contents of the Door-in-Door case. Lift up and pull out the Door-in-Door case.

#### NOTE

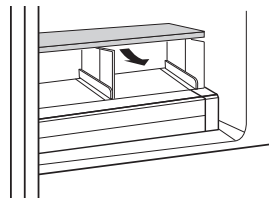
- The Door-in-Door feature is only available on some models.



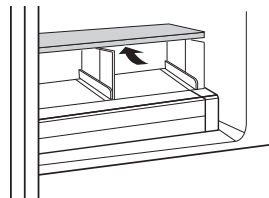
- 2 Pull out the crisper to full extension, lift the front up, and pull straight out.



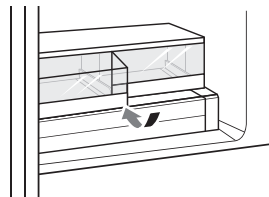
- 3 Lift the front of the cover up with both hands until it detaches from the back wall of the cabinet, then pull it out.



- 4 To refit, insert the cover into the refrigerator with both hands and lower it onto the guides.



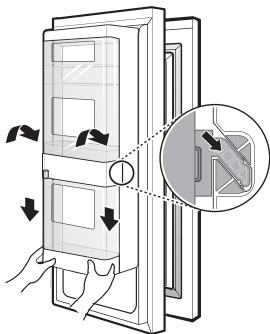
- 5 Slightly tilt up the front, insert the crisper into the frame and push it back into place.



- 6 Line up the tabs on the Door-in-Door case with the slots on the door and push down until it snaps into place.

**NOTE**

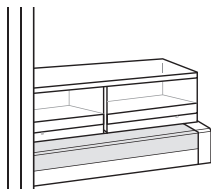
- The Door-in-Door feature is only available on some models.

**Glide'N'Serve****Using the Glide'N'Serve**

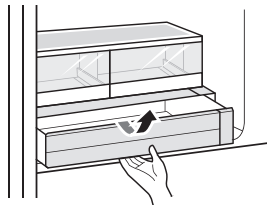
This drawer can be used for large party trays, deli items and beverages. This drawer should not be used to store vegetables that require high humidity.

**⚠ CAUTION**

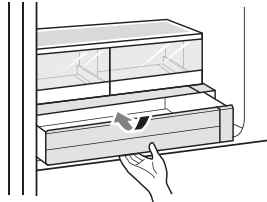
- Do not place any items on the Glide'N'Serve cover.

**Removing/Refitting the Glide'N'Serve**

- 1 To remove the Glide'N'Serve, pull out the Glide'N'Serve to full extension, lift the front up, and pull straight out.



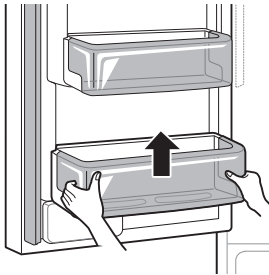
- 2 To refit, slightly tilt up the front, insert the Glide'N'Serve into the frame and push it back into place.

**Door Basket****Removing/Refitting the Door Basket****⚠ CAUTION**

- Regularly detach and wash the door baskets; they can become easily contaminated by food.

The door baskets are removable for easy cleaning and adjustment.

- 1 To remove the baskets, simply lift the basket up and pull straight out.



- 2 To assemble the baskets, slide it in above the desired support and push down until it snaps into place.

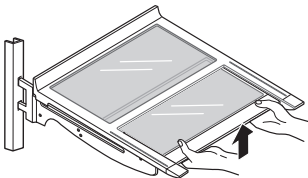
## Shelf

### ⚠ CAUTION

- Glass shelves are heavy. Use special care when removing them.
- Do not clean glass shelves with warm water while they are cold. Shelves may break if exposed to sudden temperature changes or impact.

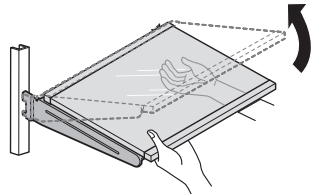
## Using the Folding Shelf

This feature is only available on some models. Store taller items, such as a gallon container or bottles, by pushing the front half of the shelf underneath the back half of the shelf. Pull the front of the shelf forward to return to a full shelf.



## Removing/Refitting the Shelf

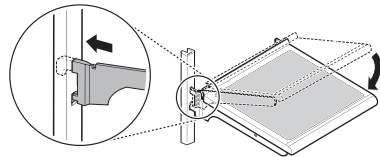
- 1 Tilt up the front of the shelf and then lift the shelf straight up.



- 2 Pull the shelf out.

- 3 Tilt the front of the shelf up and guide the shelf hooks into the slots at a desired height.

- 4 Lower the front of the shelf so that the hooks drop into the slots.



### ⚠ CAUTION

- Glass shelves are heavy. Use special care when removing them.
- Do not clean glass shelves with warm water while they are cold. Shelves may break if exposed to sudden temperature changes or impact.

## Durabase

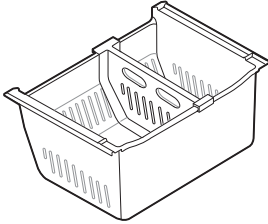
## Using the Durabase

### ⚠ CAUTION

- If the **Durabase** divider is removed, there is enough open space for children or pets to crawl

inside. To prevent accidental child and pet entrapment or suffocation risk, DO NOT allow children or pets to touch or go near the drawer.

The **Durabase** divider allows you to organize the **Durabase** area into 2 sections. It can be adjusted from side to side to accommodate items of different sizes.



# SMART FUNCTIONS

## LG ThinQ Application

This feature is only available on models with Wi-Fi. The **LG ThinQ** application allows you to communicate with the appliance using a smartphone.

## LG ThinQ Application Features

Communicate with the appliance from a smartphone using the convenient smart features.

### Smart Diagnosis

- If you experience a problem while using the appliance, this smart diagnosis feature will help you diagnose the problem.

### Settings

- Allows you to set various options on the appliance and in the application.

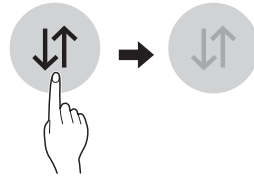
## NOTE

- If you change your wireless router, internet service provider, or password, delete the registered appliance from the **LG ThinQ** application and register it again.
- The application is subject to change for appliance improvement purposes without notice to users.
- Functions may vary by model.

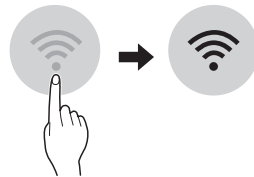
## Before Using LG ThinQ Application

- 1 Check the distance between the appliance and the wireless router (Wi-Fi network).
  - If the distance between the appliance and the wireless router is too far, the signal strength becomes weak. It may take a long time to register or installation may fail.


- 2 Turn off the **Mobile data** or **Cellular Data** on your smartphone.



- 3 Connect your smartphone to the wireless router.



## NOTE

- To verify the Wi-Fi connection, check that  icon on the control panel is lit.
- The appliance supports 2.4 GHz Wi-Fi networks only. To check your network frequency, contact your Internet service provider or refer to your wireless router manual.
- **LG ThinQ** is not responsible for any network connection problems or any faults, malfunctions, or errors caused by network connection.
- If the appliance is having trouble connecting to the Wi-Fi network, it may be too far from the router. Purchase a Wi-Fi repeater (range extender) to improve the Wi-Fi signal strength.
- The Wi-Fi connection may not connect or may be interrupted because of the home network environment.
- The network connection may not work properly depending on the Internet service provider.
- The surrounding wireless environment can make the wireless network service run slowly.
- The appliance cannot be registered due to problems with the wireless signal transmission. Unplug the appliance and wait about a minute before trying again.

- If the firewall on your wireless router is enabled, disable the firewall or add an exception to it.
- The wireless network name (SSID) should be a combination of English letters and numbers. (Do not use special characters.)
- Smartphone user interface (UI) may vary depending on the mobile operating system (OS) and the manufacturer.
- If the security protocol of the router is set to **WEP**, you may fail to set up the network. Please change it to other security protocols (**WPA2** is recommended) and register the product again.

## Wireless LAN Module Specifications

Model	LCW-004
Frequency Range	2412 - 2472 MHz
Output Power (Max.)	IEEE 802.11 b: 17.82 dBm
	IEEE 802.11 g: 17.72 dBm
	IEEE 802.11 n: 16.61 dBm


Wireless function S/W version: V 1.0

For consideration of the user, this device should be installed and operated with a minimum distance of 20 cm between the device and the body.

## Installing the LG ThinQ Application

Search for the **LG ThinQ** application from the Google Play Store or Apple App Store on a smartphone. Follow instructions to download and install the application.

## Connecting to Wi-Fi

The **Wi-Fi** button, when used with the **LG ThinQ** application, allows the appliance to connect to a home Wi-Fi network. The  icon shows the status of the appliance's network connection. The icon illuminates when the appliance is connected to the Wi-Fi network.


### • Initial Appliance Registration

Run the **LG ThinQ** application and follow the instructions in the application to register the appliance.

### • Re-registering the Appliance or Registering Another User

Press and hold the **Wi-Fi** button for 3 seconds to temporarily turn it off. Run the **LG ThinQ** application and follow the instructions in the application to register the appliance.

## NOTE

- To disable the Wi-Fi function, press and hold the **Wi-Fi** button for 3 seconds. The  icon will be turned off.

## Wireless LAN Module Regulation

The operation of this equipment is subject to the following two conditions:

- (1) it is possible that this equipment or device may not cause harmful interference and
- (2) this equipment or device must accept any interference, including interference that may cause its undesired operation.



## Open Source Software Notice Information

To obtain the source code under GPL, LGPL, MPL, and other open source licenses, that is contained in this product, please visit <http://opensource.lge.com>.

In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to [opensource@lge.com](mailto:opensource@lge.com). This offer is valid for a period of three years after our last shipment of this product. This offer is valid to anyone in receipt of this information.

## Smart Diagnosis

This feature is only available on models with the  or  logo.

Use this feature to help you diagnose and solve problems with your appliance.

### NOTE

- For reasons not attributable to LGE's negligence, the service may not operate due to external factors such as, but not limited to, Wi-Fi unavailability, Wi-Fi disconnection, local app store policy, or app unavailability.
- The feature may be subject to change without prior notice and may have a different form depending on where you are located.

## Using LG ThinQ to Diagnose Issues

If you experience a problem with your Wi-Fi equipped appliance, it can transmit troubleshooting data to a smartphone using the **LG ThinQ** application.

- Launch the **LG ThinQ** application and select the **Smart Diagnosis** feature in the menu. Follow the instructions provided in the **LG ThinQ** application.

## Using Audible Diagnosis to Diagnose Issues

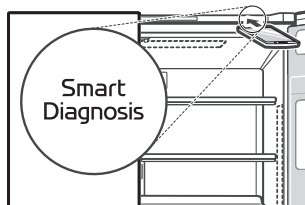
Follow the instructions below to use the audible diagnosis method.

- Launch the **LG ThinQ** application and select the **Smart Diagnosis** feature in the menu. Follow the instructions for audible diagnosis provided in the **LG ThinQ** application.

- 1 Press the **Lock** button to activate the lock function.

- If the display has been locked for over 5 minutes, you must deactivate the lock and then reactivate it.

- 2 Open the fridge door and then hold the phone on the upper right speaker hole.



- 3 Press and hold the **Freezer** button for three seconds or longer while holding your phone to the speaker until the data transfer is complete.
- 4 After the data transfer is complete, the diagnosis will be displayed in the application.

### NOTE

- For best results, do not move the phone while the tones are being transmitted.

# MAINTENANCE

## Cleaning

### General Cleaning Tips

- Performing manual defrosting, maintenance or cleaning of the appliance while food is stored in the freezer can raise the temperature of the food and reduce its storage life.
- Regularly clean any surfaces that can come in contact with food.
- When cleaning the inside or outside of the appliance, do not wipe it with a rough brush, toothpaste, or flammable materials. Do not use cleaning agents containing flammable substances. This may cause discolouration or damage to the appliance.
  - Flammable substances: alcohol (ethanol, methanol, isopropyl alcohol, isobutyl alcohol, etc.), thinner, bleach, benzene, flammable liquid, abrasive, etc.
- After cleaning, check if the power cable is damaged.

### Cleaning the Exterior

- When cleaning the outside air vents of the appliance by means of vacuuming, then the power cord should be unplugged from the outlet to avoid any static discharge that can damage the electronics or cause an electric shock. Regular cleaning of the rear and side ventilation covers is recommended to maintain reliable and economical operation of the unit.
- Keep the air vents on the exterior of the appliance clean. Blocked air vents can cause fire or appliance damage.
- For the appliance exterior, use a clean sponge or soft cloth and a mild detergent in warm water. Do not use abrasive or harsh cleaners. Dry thoroughly with a soft cloth. Do not use contaminated cloths when cleaning the stainless steel doors. Always use a dedicated cloth and wipe in the same direction as the grain. This helps reduce surface staining and tarnishing.

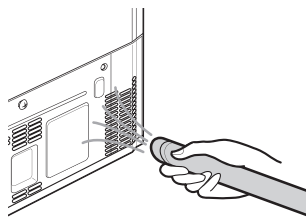
### Cleaning the Interior

- When removing a shelf or drawer from inside the appliance, remove all stored foods from the shelf or drawer to prevent injury or damage to the appliance. Otherwise, injury may occur due to the weight of stored foods.
- Detach the shelves and drawers and clean them with water, and then dry them sufficiently, before replacing them.
- Regularly wipe the door gaskets with a wet soft towel.
- Door basket spills and stains should be cleaned as they can compromise storage ability of the basket and could even be damaged.
- Never clean the shelves or containers in the dishwasher. The parts may become deformed due to the heat.

### Cleaning the Condenser Cover

Use a vacuum cleaner with a brush to clean the condenser cover and vents. Do not remove the panel covering the condenser coil area.

We recommend that this be done every 12 months to maintain operating efficiency.



## Water Filter

### Before Replacing the Water Filter

#### ⚠ WARNING

- Do not allow children to have access to small parts during the installation of this product.
- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.

#### ⚠ CAUTION

- Do not install if water pressure exceeds 827 kPa. If your water pressure exceeds 827 kPa, you must install a pressure limiting valve. Contact a plumbing professional if you are uncertain how to check your water pressure.
- Do not install where water hammer conditions may occur. If water hammer conditions exist, you must install a water hammer arrester. Contact a plumbing professional if you are uncertain how to check for this condition.
- Do not install on hot water supply lines. The maximum operating water temperature of this filter system is 37.8 °C.
- Protect filter from freezing. Drain filter when temperatures drop below 4.4 °C.
- The disposable filter cartridge **MUST** be replaced every 6 months, at the rated capacity or if a noticeable reduction in flow rate occurs.
- Where a backflow prevention device is installed on a water system, a device for controlling pressure due to thermal expansion must be installed.
- Ensure all tubing and fittings are secure and free of leaks.

#### NOTE

- While the testing was performed under standard laboratory conditions, actual performance may vary.

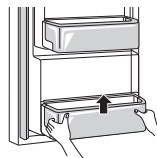
- It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised.

### Replacing the Water Filter

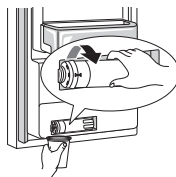
The filter must be changed every 6 months or when the water filter indicator on the control panel lights turns on or the water dispenser output decreases.

- To purchase a replacement water filter:
  - Use replacement cartridge: LT1000P, LT1000PC, LT1000PCS or ADQ747935\*\*
  - Visit your local dealer or distributor or contact the LG Electronics Customer Information Centre. For further assistance, visit our website at [lg.com](http://lg.com)

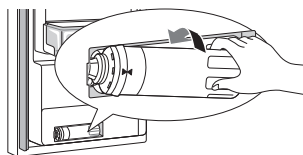
- 1 Remove the door basket.



- 2 Remove the disposable water filter.



- 3 Replace with a new water filter. Insert the new filter into the filter head and rotate it clockwise until the arrow on the new filter lines up with the arrow on the filter head. Swing the filter back into the compartment.



- 4 Refit the door basket.

- 5 Press and hold the **Water Filter** button for three seconds. The new water filter has been activated.
- 6 Dispense water for approximately 5 minutes to remove trapped air and contaminants from the system.

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## CAUTION

- Failure to replace filters when required or using non LG authorised water filters can cause the filter cartridge to leak and result in property damage.
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## NOTE

- **Application Guidelines/Water Supply Parameters**

- Service Flow: 1.9 lpm
  - Water Supply: Community or Private Well - Potable Water
  - Water Pressure: 138 - 827 kPa
  - Water Temperature: 0.6 - 37.8 °C
  - Capacity: 757 litres
-

# TROUBLESHOOTING

## Before Calling for Service

### Cooling

Symptoms	Possible Cause & Solution
There is no refrigeration or freezing.	<b>Is there a power interruption?</b> <ul style="list-style-type: none"><li>• Check the power of other appliances.</li></ul>
	<b>Check the power of other appliances.</b> <ul style="list-style-type: none"><li>• Plug the power plug in the outlet properly.</li></ul>
	<b>A fuse in your home may be blown or the circuit breaker tripped. Or the appliance is connected to a GFCI (Ground Fault Circuit Interrupter) outlet, and the outlet's circuit breaker has tripped.</b> <ul style="list-style-type: none"><li>• Check the main electrical box and replace the fuse or reset the circuit breaker. Do not increase fuse capacity. If the problem is a circuit overload, have it corrected by a qualified electrician.</li><li>• Reset the circuit breaker on the GFCI. If the problem persists, contact an electrician.</li></ul>
There is poor refrigeration or freezing.	<b>Is the fridge or freezer temperature set to its warmest setting?</b> <ul style="list-style-type: none"><li>• Set the fridge or freezer temperature to a colder setting.</li></ul>
	<b>Is the appliance in direct sunlight, or is it near a heat generating object such as cooking oven or heater?</b> <ul style="list-style-type: none"><li>• Check the installation area and reinstall it away from heat generating objects.</li></ul>
	<b>Did you store hot food without cooling it first?</b> <ul style="list-style-type: none"><li>• Cool the hot food first before putting it in the fridge or freezer compartment.</li></ul>
	<b>Did you put in too much food?</b> <ul style="list-style-type: none"><li>• Maintain an appropriate space between food.</li></ul>
	<b>Are the appliance doors completely closed?</b> <ul style="list-style-type: none"><li>• Completely close the door and make sure that stored food is not obstructing in the door.</li></ul>
	<b>Is there enough space around the appliance?</b> <ul style="list-style-type: none"><li>• Adjust the installation position to make enough space around the appliance.</li></ul>

Symptoms	Possible Cause & Solution
The appliance contains a bad smell.	<b>Is the fridge or freezer temperature set to 'Warm'?</b> <ul style="list-style-type: none"> <li>Set the fridge or freezer temperature to a colder setting.</li> </ul>
	<b>Did you put in food with a strong smell?</b> <ul style="list-style-type: none"> <li>Store foods with strong smells in sealed containers.</li> </ul>
	<b>Vegetables or fruit may have spoiled in the drawer.</b> <ul style="list-style-type: none"> <li>Throw away rotten vegetables and clean the vegetable drawer. Do not store vegetables too long in the vegetable drawer.</li> </ul>

Ice & Water

Symptoms	Possible Cause & Solution
<b>The automatic icemaker does not produce ice or produces a small amount of ice.</b>	<b>Did you install the appliance recently?</b> <ul style="list-style-type: none"><li>• The ice maker produces ice normally when approximately 48 hours have passed after the appliance is installed.</li><li>• If the fridge compartment temperature is too cold, the water filter can freeze and block the water flow to the ice maker.</li></ul>
	<b>Did you connect the water supply pipe to the appliance and open the supply valve?</b> <ul style="list-style-type: none"><li>• Connect the water supply pipe to the appliance and open the supply valve completely.</li></ul>
	<b>Is the water supply hose bent?</b> <ul style="list-style-type: none"><li>• If the water supply hose is bent, the water flow could be compromised.</li></ul>
	<b>Have you dispensed a large amount of ice recently?</b> <ul style="list-style-type: none"><li>• It takes approximately 24 hours to produce more ice in the automatic icemaker. Please wait.</li></ul>
	<b>Did you set the ice maker switch or the automatic icemaker button on the control panel to ON?</b> <ul style="list-style-type: none"><li>• Press I on the automatic icemaker switch or set <b>ON</b> for the automatic icemaker button on the control panel. (For more details on how to use, visit LG Electronics website or use your smart device.)</li></ul>
	<b>Is the temperature of the freezer compartment set too high?</b> <ul style="list-style-type: none"><li>• If the set temperature is too warm, ice will be produced slowly or not at all. Set the Freezer temperature to -18 °C for normal operation of the automatic icemaker.</li></ul>
	<b>Have you been opening the appliance door frequently?</b> <ul style="list-style-type: none"><li>• If you open the appliance door frequently, cold air will escape, lowering the speed of ice production. Do not open and close the appliance door frequently.</li></ul>
	<b>Is the appliance door completely closed?</b> <ul style="list-style-type: none"><li>• If the appliance door is not completely closed, the temperature of the freezer compartment will increase, slowing down the ice production speed. Close the appliance door completely.</li></ul>
<b>Ice is not dispensed.</b>	<b>Unable to hear the sound of ice coming out?</b> <ul style="list-style-type: none"><li>• In the control panel, select the modes for cubed ice and crushed ice alternately to dispense the ice.</li></ul>
	<b>Is the ice path blocked? (You can check the ice passage by separating the ice bin.)</b> <ul style="list-style-type: none"><li>• Ice may not be dispensed properly if the ice passage is blocked. Check the ice and clean the ice path regularly.</li></ul>

Symptoms	Possible Cause & Solution
Water does not come out.	<b>The supply valve may be turned off. (For Plumbed models Only)</b> <ul style="list-style-type: none"> <li>Open the water supply valve.</li> <li>Check if the fridge compartment temperature is too cold, as the water filter can freeze and block the water flow to the dispenser.</li> </ul>
	<b>The water dispenser tank may be empty. (Non plumbed models only)</b> <ul style="list-style-type: none"> <li>Fill the water dispenser tank.</li> </ul>
	<b>Is the water supply valve closed? (For Plumbed models Only)</b> <ul style="list-style-type: none"> <li>Open the water supply valve.</li> </ul>
	<b>Are you using unfiltered water?</b> <ul style="list-style-type: none"> <li>Unfiltered water can contain a large amount of various heavy metals or foreign substances, so the filter may be clogged in the early stage regardless of the life of the filter.</li> </ul>
Water tastes strange.	<b>Is the taste of water different when comparing it with the taste of water from the previous water purifier?</b> <ul style="list-style-type: none"> <li>Has the purified water or cold water not been used for an extended period of time?</li> </ul>
	<b>Has it been a long time since you installed and replaced the filter?</b> <ul style="list-style-type: none"> <li>If an expired filter is used, the purification performance may decline. It is recommended to replace the filter according to the filter replacement period.</li> </ul>
	<b>Have you flushed out the filter properly in the initial stage after installing it?</b> <ul style="list-style-type: none"> <li>When you install or replace the filter for the first time, you need to remove air and activated carbon residue from inside the filter. Use the appliance after dispensing and discharging approximately 5 litres of purified water from the dispenser by pressing the water dispensing lever. (Activated carbon is harmless to humans.)</li> </ul>
	<b>Has the purified water or cold water not been used for an extended period of time?</b> <ul style="list-style-type: none"> <li>The taste of old water may change due to bacterial growth. Use the product after dispensing and discharging approximately 5 litres (approximately three minutes) from the water dispenser.</li> </ul>

## Condensation & Frost

Symptoms	Possible Cause & Solution
<b>There is condensation inside the appliance or on the bottom of the vegetable drawer cover.</b>	<b>Did you store hot food without cooling it first?</b> <ul style="list-style-type: none"> <li>• Cool the hot food first before putting it inside the fridge or freezer.</li> </ul>
	<b>Did you leave the appliance door open?</b> <ul style="list-style-type: none"> <li>• Although the condensation will disappear soon after you close the appliance door, you can wipe it with a dry cloth.</li> </ul>
	<b>Do you open and close the appliance door too frequently?</b> <ul style="list-style-type: none"> <li>• Condensation can form due to the temperature difference from the outside. Wipe out the dampness with a dry cloth.</li> </ul>
	<b>Did you put warm or moist food inside without sealing it in a container?</b> <ul style="list-style-type: none"> <li>• Store food in a covered or sealed container.</li> </ul>
<b>Frost has formed in the freezer compartment.</b>	<b>Doors may not be closed properly.</b> <ul style="list-style-type: none"> <li>• Check if the food item inside the appliance is blocking the door and make sure that the door is tightly closed.</li> </ul>
	<b>Did you store hot food without cooling it first?</b> <ul style="list-style-type: none"> <li>• Cool the hot food first before putting it in the fridge or freezer compartment.</li> </ul>
	<b>Is the air entry or exit of the freezer compartment blocked?</b> <ul style="list-style-type: none"> <li>• Make sure that air entry or exit is not blocked so that the air can circulate inside.</li> </ul>
	<b>Is the freezer compartment overfilled?</b> <ul style="list-style-type: none"> <li>• Maintain an appropriate space between items.</li> </ul>
<b>Frost or condensation has formed inside or outside the appliance.</b>	<b>Did you open and close the appliance door frequently or is the appliance door improperly closed?</b> <ul style="list-style-type: none"> <li>• Frosts or condensation can form if the outside air penetrates inside the appliance.</li> </ul>
	<b>Is the installation environment humid?</b> <ul style="list-style-type: none"> <li>• Condensation can appear on the exterior of the appliance if the installation area is too humid or on a humid day such as a rainy day. Wipe off any moisture with a dry cloth.</li> </ul>
<b>The side or front of the appliance is warm.</b>	<b>There are anti condensation pipes fitted to these areas of the appliance to reduce condensation forming from around the door area.</b> <ul style="list-style-type: none"> <li>• The heat releasing pipe to prevent condensation is installed on the front and side of the appliance. You may feel it particularly hot right after the appliance is installed or during the summer. You can be assured that this is not a problem and is quite normal.</li> </ul>

Symptoms	Possible Cause & Solution
There is water inside or outside of the appliance.	<b>Is there water leakage around the appliance?</b> <ul style="list-style-type: none"><li>• Check if the water has leaked from a sink or another place.</li></ul>
	<b>Is there water on the bottom of the appliance?</b> <ul style="list-style-type: none"><li>• Check if the water is from the thawed frozen food or a broken or dropped container.</li></ul>

Parts & Features

Symptoms	Possible Cause & Solution
The appliance door is not closed tightly.	<b>Is the appliance leaning forward?</b> <ul style="list-style-type: none"><li>• Adjust the front feet to raise the front side slightly.</li></ul>
	<b>Were the shelves properly assembled?</b> <ul style="list-style-type: none"><li>• Refit the shelves if needed.</li></ul>
	<b>Did you close the door with excessive force?</b> <ul style="list-style-type: none"><li>• If you apply too much force or speed when closing the door, it may remain briefly open before closing. Make sure that you do not slam the door closed. Close the door gently.</li></ul>
It is difficult to open the appliance door.	<b>Did you open the door right after you closed it?</b> <ul style="list-style-type: none"><li>• If you try to open the appliance door within one minute after you closed it, you may have difficulties because of the pressure inside the appliance. Try to open the appliance door again in a few minutes so that the internal pressure stabilizes.</li></ul>
Door mullion does not fold in and out properly.	<b>Are front levelling legs extended, the appliance level, and doors aligned?</b> <ul style="list-style-type: none"><li>• Once the door baskets are filled, the doors may become misaligned, preventing the door mullion or the Auto Open Door function from working properly. Extend both front levelling legs fully so they are in firm contact with the floor. Follow the instruction in the Door Alignment section to raise the left fridge door until the door mullion is once again working properly. Adjust the right fridge door so it aligns with the left fridge door.</li></ul>
The inside lamp in the appliance does not turn on.	<b>Lamp failure</b> <ul style="list-style-type: none"><li>• Close the door and re-open. If the lamp does not turn on, please contact the LG Electronics customer information centre. Do not attempt removal of the lamp.</li></ul>

## Noises

Symptoms	Possible Cause & Solution
<b>The appliance is noisy and generates abnormal sounds.</b>	<b>Is the appliance installed on a weak floor or improperly levelled?</b> <ul style="list-style-type: none"> <li>• Install the appliance on a solid and flat area.</li> </ul>
	<b>Does the rear of the appliance touch the wall?</b> <ul style="list-style-type: none"> <li>• Adjust the installation position to allow enough clearance around the appliance.</li> </ul>
	<b>Are objects scattered behind the appliance?</b> <ul style="list-style-type: none"> <li>• Remove the scattered objects from behind the appliance.</li> </ul>
	<b>Is there an object on top of the appliance?</b> <ul style="list-style-type: none"> <li>• Remove the object on top of the appliance.</li> </ul>
<b>Clicking noises</b>	<b>The defrost control will click when the automatic defrost cycle begins and ends. The thermostat control (or appliance control on some models) will also click when cycling on and off.</b> <ul style="list-style-type: none"> <li>• Normal Operation</li> </ul>
<b>Rattling noises</b>	<b>Rattling noises may come from the flow of appliance, the water line on the back of the unit (for plumbed models only), or items stored on top of or around the appliance.</b> <ul style="list-style-type: none"> <li>• Normal Operation</li> </ul>
	<b>Appliance is not resting evenly on the floor.</b> <ul style="list-style-type: none"> <li>• Floor is weak or uneven or levelling legs need to be adjusted. See the Door Alignment section.</li> </ul>
	<b>Appliance with linear compressor was moved while operating.</b> <ul style="list-style-type: none"> <li>• Normal operation. If the compressor does not stop rattling after three minutes, turn the power to the appliance off and then on again.</li> </ul>
<b>Whooshing noises</b>	<b>Evaporator fan motor is circulating air through the fridge and freezer compartments.</b> <ul style="list-style-type: none"> <li>• Normal Operation</li> </ul>
	<b>Air is being forced over the condenser by the condenser fan.</b> <ul style="list-style-type: none"> <li>• Normal Operation</li> </ul>
<b>Gurgling noises</b>	<b>Appliance flowing through the cooling system.</b> <ul style="list-style-type: none"> <li>• Normal Operation</li> </ul>
<b>Popping noises</b>	<b>Contraction and expansion of the inside walls due to changes in temperature.</b> <ul style="list-style-type: none"> <li>• Normal Operation</li> </ul>

Symptoms	Possible Cause & Solution
Vibrating	<p><b>If the side or back of the appliance is touching a cabinet or wall, some of the normal vibrations may make an audible sound.</b></p> <ul style="list-style-type: none"><li>To eliminate the noise, make sure that the sides and back do not make any contact with any wall or cabinet.</li></ul>

Wi-Fi

Symptoms	Possible Cause & Solution
<b>Your home appliance and smartphone are not connected to the Wi-Fi network.</b>	<p><b>The password for the Wi-Fi that you are trying to connect to is incorrect.</b></p> <ul style="list-style-type: none"><li>Find the Wi-Fi network connected to your smartphone and remove it, then register your appliance on <b>LG ThinQ</b>.</li></ul>
	<p><b>Mobile data for your smartphone is turned on.</b></p> <ul style="list-style-type: none"><li>Turn off the <b>Mobile data</b> of your smartphone and register the appliance using the Wi-Fi network.</li></ul>
	<p><b>The wireless network name (SSID) is set incorrectly.</b></p> <ul style="list-style-type: none"><li>The wireless network name (SSID) should be a combination of English letters and numbers. (Do not use special characters.)</li></ul>
	<p><b>The router frequency is not 2.4 GHz.</b></p> <ul style="list-style-type: none"><li>Only a 2.4 GHz router frequency is supported. Set the wireless router to 2.4 GHz and connect the appliance to the wireless router. To check the router frequency, check with your Internet service provider or the router manufacturer.</li></ul>
	<p><b>The distance between the appliance and the router is too far.</b></p> <ul style="list-style-type: none"><li>If the distance between the appliance and the router is too far, the signal may be weak and the connection may not be configured correctly. Move the location of the router so that it is closer to the appliance.</li></ul>

